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REC'D 31 OCT 2003

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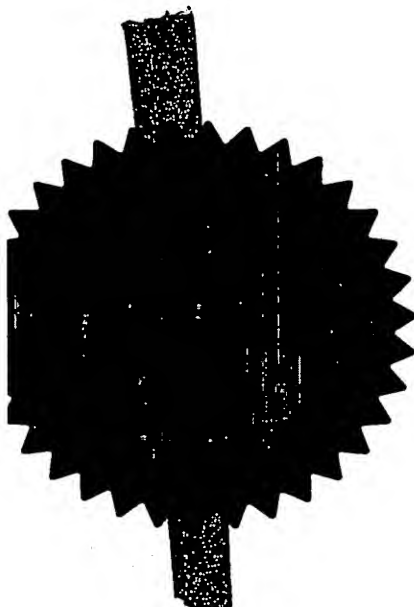
PCT

I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

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Signed *Andrew Gwynne*

Dated 22 October 2003

# Request for grant of a patent

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

The Patent Office

Cardiff Road  
Newport  
South Wales  
NP9 1RH

1. Your reference **THE PATENT OFFICE**  
**E** SHG/P501105

2. Patent application number **24 SEP 2002**  
(The Patent Office will fill in this part) 25SEP02 E750852-5 D02835  
P01/7700 6.00-022235.4

3. Full name, address and postcode of the or of each applicant (underline all surnames) **NEWPORT**  
Donald Glanmor HOWELLS  
63 Manor Road  
Rushden  
Northamptonshire  
NN19 9EX

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

0222235.4

7568728001

4. Title of the invention  
Implement for removing weeds  
from the joints between pavements

5. Name of your agent (if you have one) URQUHART-DYKES & LORD  
"Address for service" in the United Kingdom  
to which all correspondence should be sent  
(including the postcode) Three Trinity Court  
21-27 Newport Road  
CARDIFF  
CF24 0AA

Patents ADP number (if you know it) 1644025

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country	Priority application number (if you know it)	Date of filing (day / month / year)

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application	Date of filing (day / month / year)

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:  
a) any applicant named in part 3 is not an inventor, or  
b) there is an inventor who is not named as an applicant, or  
c) any named applicant is a corporate body.  
See note (d)) NO

9. Enter the number of sheets for any of the following items you are filing with this form. Do not count copies of the same document

Continuation sheets of this form -

Description 3

Claim(s) -

Abstract -

Drawing(s) 3 <sup>27</sup>

10. If you are also filing any of the following, state how many against each item.

Priority documents -

Translations of priority documents -

Statement of inventorship and right to grant of a patent (Patents Form 7/77) -

Request for preliminary examination and search (Patents Form 9/77) -

Request for substantive examination (Patents Form 10/77) -

Any other documents (please specify) -

11. I/We request the grant of a patent on the basis of this application.

Signature

URQUHART-DYKES & LORD

Date

24 September 2002

12. Name and daytime telephone number of person to contact in the United Kingdom

Stewart GIBSON - Tel: 029 2048 7993

#### Warning

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#### Notes

- If you need help to fill in this form or you have any questions, please contact the Patent Office on 0645 500505.
- Write your answers in capital letters using black ink or you may type them.
- If there is not enough space for all the relevant details on any part of this form, please continue on a separate sheet of paper and write "see continuation sheet" in the relevant part(s). Any continuation sheet should be attached to this form.
- If you have answered 'Yes' Patents Form 7/77 will need to be filed.
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IMPLEMENT FOR REMOVING WEEDS FROM THE JOINTS BETWEEN PAVIOURS

The present invention relates to an implement for use in removing weeds, moss or other matter from the joints between paviours.

Paviours have become popular for driveways, pathways etc. but are prone to the growth of weeds and moss and the accumulation of other matter in the joints between them.

I have now devised an implement which is effective in removing weeds or moss from the joints between paviours.

In accordance with the present invention, there is provided an implement for use in removing weeds, moss or other matter from the joints between paviours, the implement comprising an elongate handle carrying a blade at one end thereof, the blade extending along an axis at an angle of 25 to 65° to the axis of the handle and being formed with an apex at its forward end.

The implement is arranged for its handle to be held by a user when standing, the handle extending forwardly and downwardly from the user with the apex of the blade engaged in a joint between paviours, directed at a steeper angle than the handle, but still slightly forwardly or vertically. The user then draws the implement towards him, drawing the blade along the joint to clear out the weeds, moss or other matter from the joint.

Preferably the blade is formed with a generally rounded apex, to complement the shape of the groove formed at ground level between two paviours, this groove resulting from the chamfered top edges of the paviours. Preferably the rounded end of the blade is further provided with a projecting point, for engaging into the gap between the sides of adjoining paviours.

Preferably the blade of the implement is bent or folded along its longitudinal axis, so that it is V-shaped or dished in cross-section, with its concave side facing the direction in which, in use, the blade is drawn.

An embodiment of the present invention will now be

described by way of example only and with reference to the accompanying drawings, in which:

FIGURE 1 is a side view of an implement in accordance with the present invention, in use clearing out the weeds from the joints between pavements;

FIGURE 2 is a view of a typical area of pathway or driveway made up of pavements;

FIGURE 3 is an enlarged view of the head of the implement, shown in the process of clearing out moss from the joint between two pavements;

FIGURE 4 is a front view of the head of the implement; and

FIGURE 5 is a side view of the head of the implement.

Referring to Figure 1 of the drawings, there is shown a long-handled implement for clearing weeds, moss or other matter from the joints between pavements, the implement comprising a metal head 10 fitted to one end of a straight, elongate handle 20. As shown in Figures 4 and 5, the head 10 of the implement comprises a generally triangular-shaped blade 12 extending from one end of a stem 14, the other end of the stem 14 being provided with a socket 16 (Figure 1) into which the end of the elongate handle 20 is fitted.

The stem 14 of the implement is curved or bent so that the blade 12 is directed at an acute angle to the axis of the handle 20: this angle is in the range of 25 to 65°, preferably in the range 30 to 55° and most preferably in the range 35 to 45°.

The blade 12 of the implement is generally rounded at its apex, but this rounded apex is provided with a triangular-shaped point 13. The blade 12 is also folded along a centre line L through its apex, so as to be slightly V-shaped in cross-section.

In clearing out weed, moss or other matter from the joints between pavements, shown at P in Figures 1 and 2, the user, in standing position, holds the implement by its handle 20, with the handle inclined downwardly as shown in Figure 1 and the apex of the blade 12 of the implement engaged in a

joint between the paviours. The handle 20 thus extends forwardly and downwardly from the user at a comfortable angle, typically in the range of 35 to 55° to the horizontal, with the blade 12 of the implement extending forwardly but at a steeper angle, or vertically: in use, preferably the blade lies at an angle of 0 to 10° to the vertical. The user then draws the implement towards him, as indicated by the arrow in Figure 1, pulling the apex of the blade 12 along the joint, as shown in Figure 3: no other part of the implement is in contact with the paviours.

The rounded apex of the blade 12 matches the groove formed between two adjacent paviours, owing to their chamfered top edges. Moreover, the pointed tip 13 of the blade engages into the top of the small gap between the two adjoining sides of the two paviours. As a result, the blade 12 serves in an effective manner to clear out weeds, moss or other matter from the joints between the paviours.

Also, because of the angle which the blade 12 makes with the surface of the pathway or driveway, the blade rides easily over joints running transversely to the joint along which the implement is drawn.

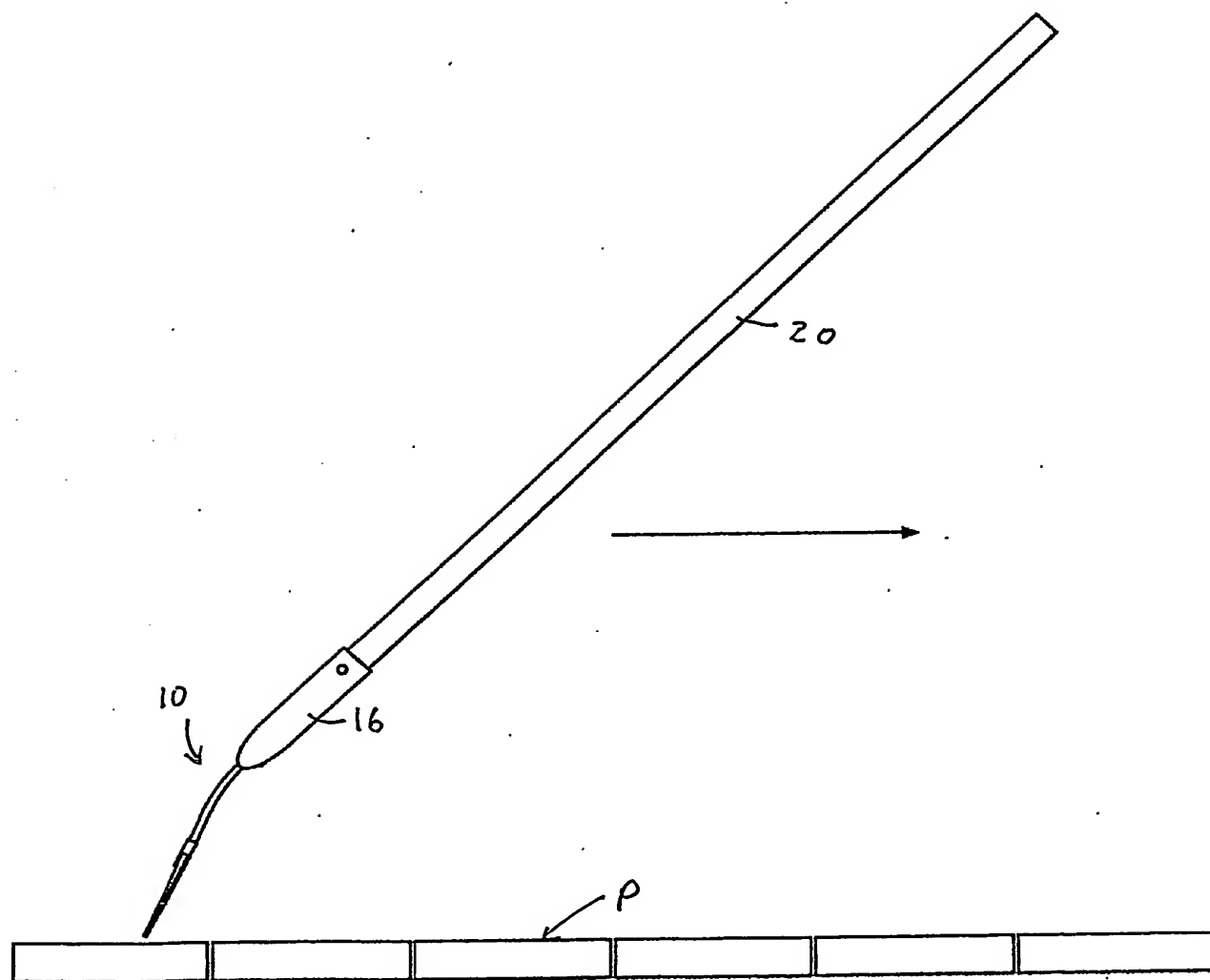


Figure 1

2/3

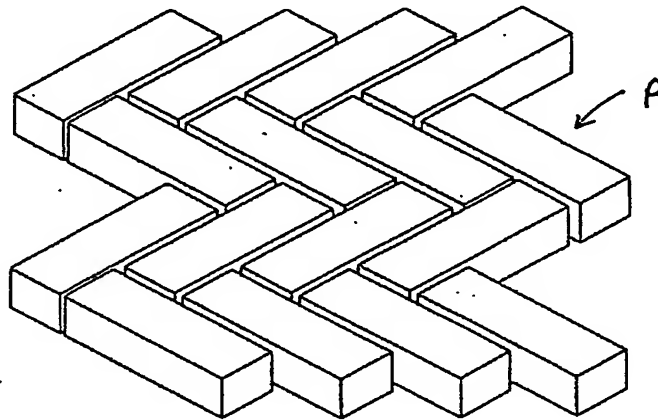


Figure 2

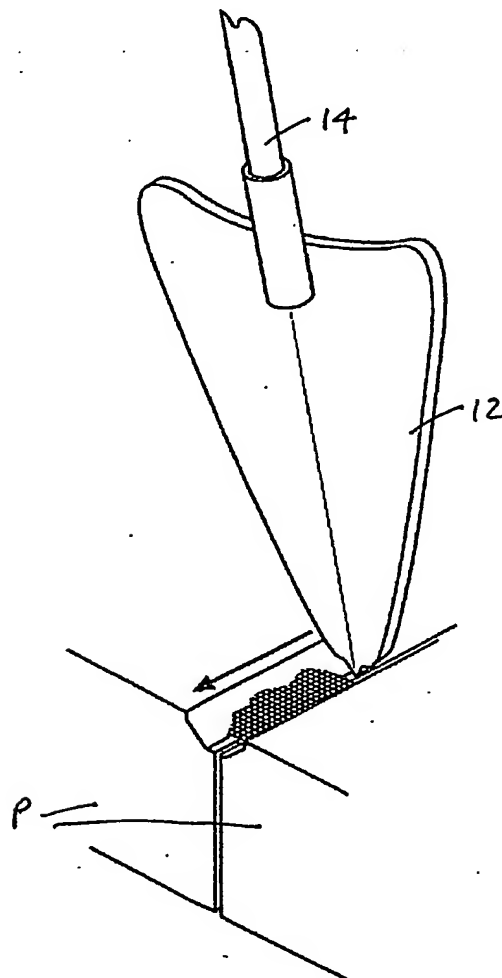


Figure 3



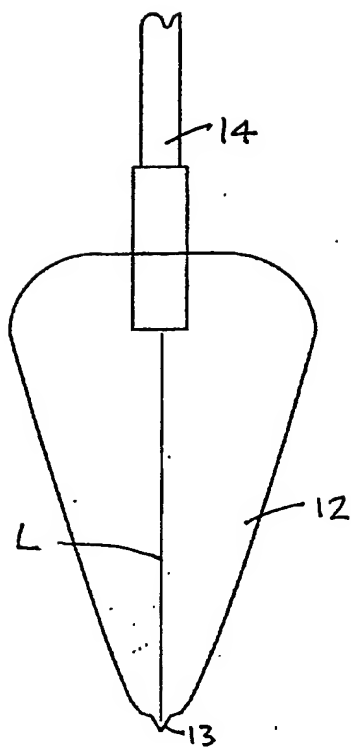


Figure 4

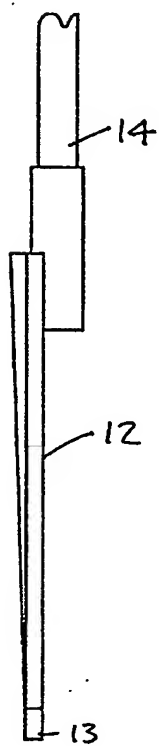


Figure 5